SYSTEMS AND METHODS FOR REFRESHING MACROBLOCKS

Abstract of the Disclosure

In one embodiment, an adaptive motion area process is performed to determine which macroblocks are to be intracoded. Adaptive motion change detection can efficiently reduce the large propagation error, including errors occurring in the motion area. An intercode distortion value and an intracode distortion value are calculated, as are an intercode bit rate and an intracode bit rate. Based on a comparison of the calculated intercode distortion value and the intracode distortion value, and on a comparison of the intercode bit rate and the intracode bit rate for each macroblock, a decision is made as to which predicted frame macroblocks are to be intracoded.

PATENT

Appendix A

Incorporation by Reference of Commonly Owned Applications

The following patent applications, commonly owned and filed on the same day as the present application, are hereby incorporated herein in their entirety by reference thereto:

Title	Application No.	Attorney Docket No.
SYSTEMS AND METHODS FOR ENHANCED ERROR CONCEALMENT IN A VIDEO DECODER		INTV.005A
SYSTEMS AND METHODS FOR DECODING OF PARTIALLY CORRUPTED REVERSIBLE VARIABLE LENGTH CODE (RVLC) INTRA-CODED MACROBLOCKS AND PARTIAL BLOCK DECODING OF CORRUPTED MACROBLOCKS IN A VIDEO DECODER		INTV.006A
SYSTEMS AND METHODS FOR DECODING OF SYSTEMATIC FORWARD ERROR CORRECTION (FEC) CODES OF SELECTED DATA IN A VIDEO BITSTREAM		INTV.007A
SYSTEMS AND METHODS FOR MANAGEMENT OF DATA IN A RING BUFFER FOR ERROR RESILIENT DECODING OF A VIDEO BITSTREAM		INTV.008A
SYSTEMS AND METHODS FOR REDUCING ERROR PROPAGATION IN A VIDEO DATA STREAM		INTV.009A
SYSTEMS AND METHODS FOR REDUCING FRAME RATES IN A VIDEO DATA STREAM		INTV.011A
SYSTEMS AND METHODS FOR PERFORMING GENERATING ERROR CORRECTION INFORMATION FOR A MEDIA STREAM		INTV.012A
SYSTEMS AND METHODS FOR		INTV.013A

Title	Application No.	Attorney Docket No.
PERFORMING BIT RATE ALLOCATION FOR A VIDEO DATA STREAM		
SYSTEMS AND METHODS FOR ENCODING REDUNDANT MOTION VECTORS IN COMPRESSED VIDEO BITSTREAMS		INTV.014A
SYSTEMS AND METHODS FOR DECODING REDUNDANT MOTION VECTORS IN COMPRESSED VIDEO BITSTREAMS		INTV.015A
SYSTEMS AND METHODS FOR DETECTING SCENE CHANGES IN A VIDEO DATA STREAM		INTV.016A

L:\DOCS\DNW\DNW-4083.DOC
030502